

L Number	Hits	Search Text	DB	Time stamp
1	130	(558/47).CCLS.	USPAT; US-PGPUB	2004/03/02 12:35

FILE 'HOME' ENTERED AT 12:27:00 ON 02 MAR 2004

FILE 'REGISTRY' ENTERED AT 12:27:10 ON 02 MAR 2004  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1  
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

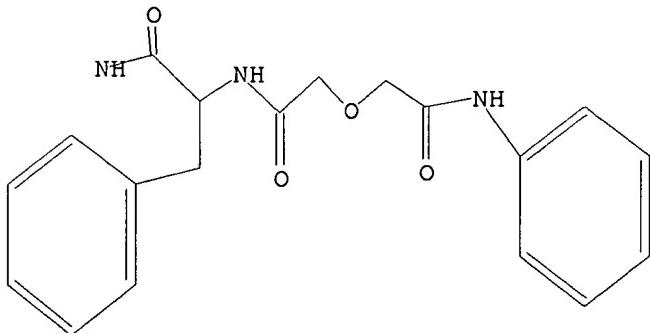
=> Uploading C:\STNEXP4\7.str

## L1 STRUCTURE UPLOADED

$\Rightarrow d$

L1 HAS NO ANSWERS

## L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11  
SAMPLE SEARCH INITIATED 12:27:30 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 18 TO ITERATE

100.0% PROCESSED 18 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
                                  BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 106 TO 614

PROJECTED ANSWERS:

0 TO 0

L2

0 SEA SSS SAM L1

=> s 11 ful

FULL SEARCH INITIATED 12:27:36 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 355 TO ITERATE

100.0% PROCESSED 355 ITERATIONS  
SEARCH TIME: 00.00.01

5 ANSWERS

L3 5 SEA SSS FUL L1

=> d 13 1-5

L3 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN

RN 608135-34-8 REGISTRY

CN L-Leucinamide, N-[2-[[4-[3-[(1,1-dimethylethoxy)carbonyl][2-[(1,1-dimethylethoxy)carbonyl]amino]ethyl]amino]-2-[[[(1,1-dimethylethoxy)carbonyl]amino]ethyl]amin o]methyl]propyl]phenyl]amino]-2-oxoethoxy]acetyl]-D-phenylalanyl-L-glutaminyl-L-tryptophyl-L-alanyl-L-valylglycyl-L-histidyl-N-ethyl- (9CI)  
(CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C87 H130 N18 O20

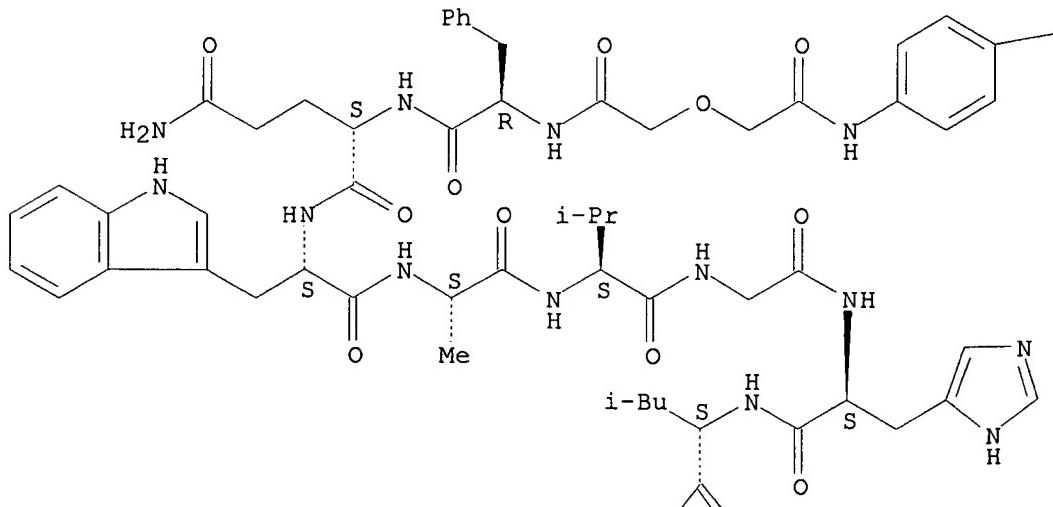
SR CA

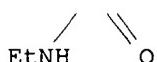
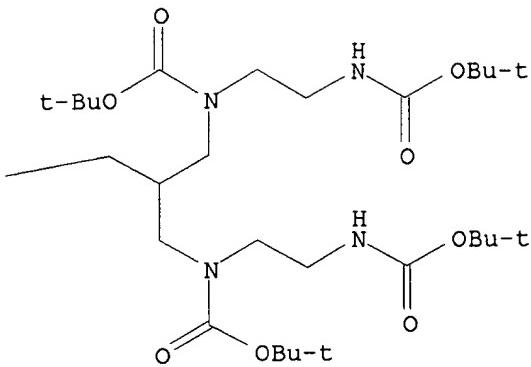
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

PAGE 1-A

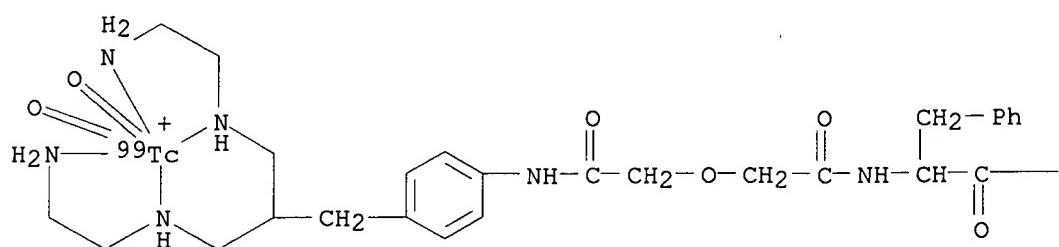


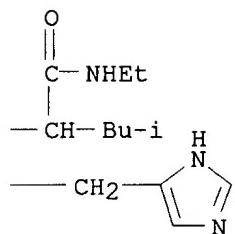
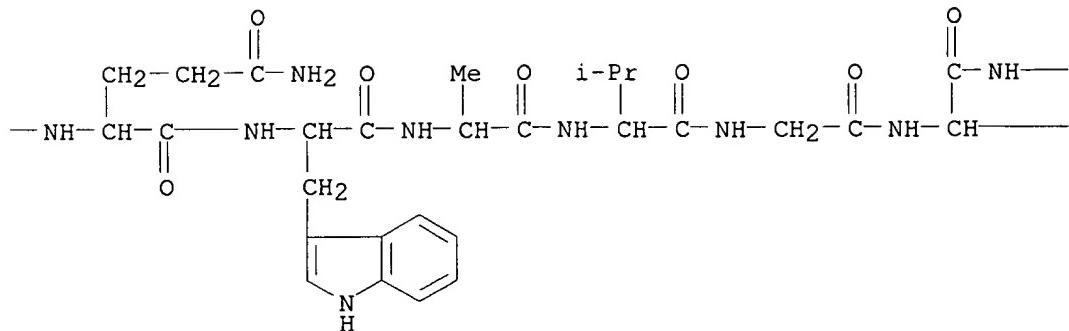


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 401846-36-4 REGISTRY  
 CN Techneium(1+)-99Tc, [N-[[2-[[4-[[3-[[2-(amino-κN)ethyl]amino-κN]-2-[[2-(amino-κN)ethyl]amino-κN]methyl]propyl]phenyl]amino]-2-oxoethoxy]acetyl]-D-phenylalanyl-L-glutaminyl-L-tryptophyl-L-alanyl-L-valylglycyl-L-histidyl-N-ethyl-L-leucinamide]dioxo-, (OC-6-13)-(9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE  
 MF C67 H98 N18 O14 Tc  
 CI CCS  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*



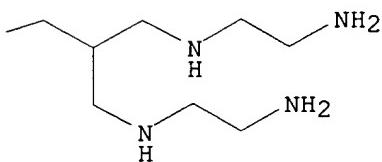
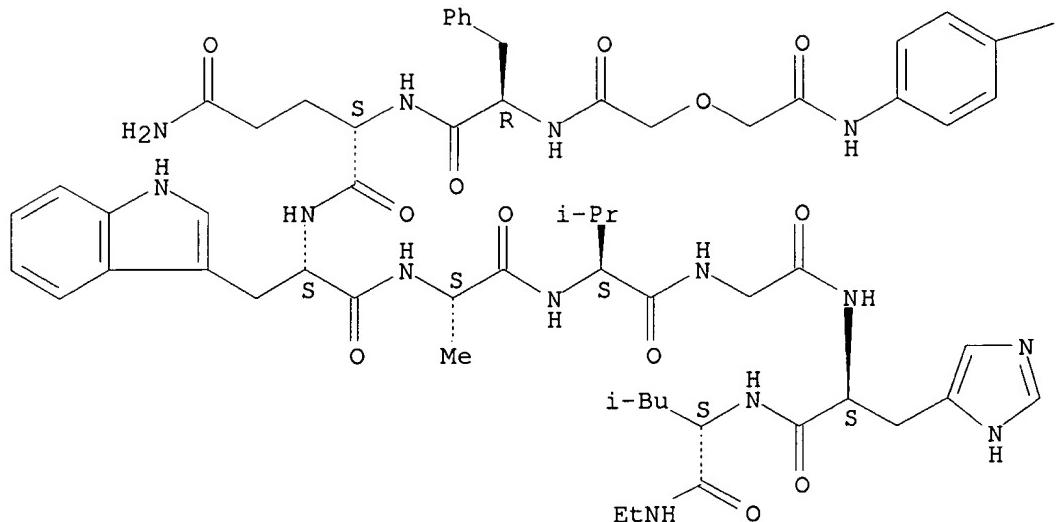


2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 401621-00-9 REGISTRY  
 CN L-Leucinamide, N-[2-[[4-[3-[(2-aminoethyl)amino]-2-[(2-aminoethyl)amino]methyl]propyl]phenyl]amino]-2-oxoethoxy]acetyl]-D-phenylalanyl-L-glutaminyl-L-tryptophyl-L-alanyl-L-valylglycyl-L-histidyl-N-ethyl- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN Demobesin 1  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C67 H98 N18 O12  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

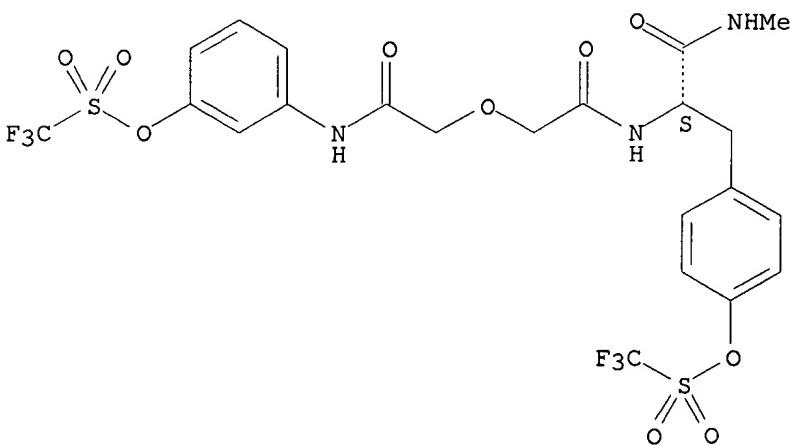


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPIUS (1907 TO DATE)

L3 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 365240-88-6 REGISTRY  
CN Methanesulfonic acid, trifluoro-, 4-[(2S)-3-(methylamino)-3-oxo-2-[[[2-oxo-2-[[3-[(trifluoromethyl)sulfonyl]oxy]phenyl]amino]ethoxy]acetyl]amino]propylphenyl ester (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C22 H21 F6 N3 O10 S2  
SR CA  
LC STN Files: CA, CAPIUS, USPATFULL

Absolute stereochemistry.

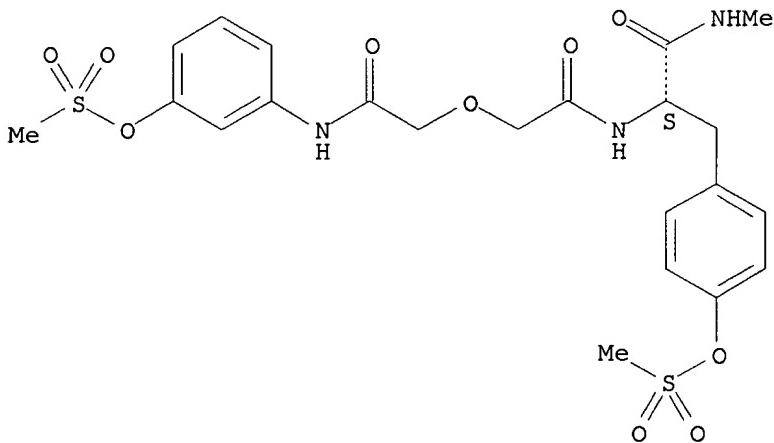


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 365240-87-5 REGISTRY  
CN Benzene propanamide, N-methyl-4-[(methylsulfonyl)oxy]- $\alpha$ -[[2-[[3-  
[(methylsulfonyl)oxy]phenyl]amino]-2-oxoethoxy]acetyl]amino]-, ( $\alpha$ S)-  
(9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C22 H27 N3 O10 S2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus	COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST		164.27	164.48

FILE 'CAPLUS' ENTERED AT 12:27:57 ON 02 MAR 2004  
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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10  
FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate

substance identification.

=> s 13

L4 4 L3

=> d 14 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:66446 CAPLUS  
DN 139:288265  
TI [99mTc]Demobesin 1, a novel potent bombesin analogue for GRP receptor-targeted tumour imaging  
AU Nock, Berthold; Nikolopoulou, Anastasia; Chiotellis, Efstratios; Loudos, George; Maintas, Dimitrios; Reubi, Jean Claude; Maina, Theodosia  
CS Institute of Radioisotopes - Radiodiagnostic Products, National Center for Scientific Research "Demokritos", Athens, 15310, Greece  
SO European Journal of Nuclear Medicine and Molecular Imaging (2003), 30(2), 247-258  
CODEN: EJNMA6; ISSN: 1619-7070  
PB Springer-Verlag  
DT Journal  
LA English  
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:716026 CAPLUS  
DN 137:252981  
TI Monomer or polymer-based anti-adhesive compounds  
IN Alberte, Randall S.; Smith, Robert D.  
PA Phycogen, Inc., USA; Cerno Biosciences LLC  
SO PCT Int. Appl., 62 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002072020	A2	20020919	WO 2002-US7426	20020312
	WO 2002072020	A3	20031127		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1385821	A2	20040204	EP 2002-725119	20020312
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

PRAI US 2001-275223P P 20010312  
WO 2002-US7426 W 20020312

OS MARPAT 137:252981

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:157110 CAPLUS  
DN 136:200483  
TI Synthesis, biological and preclinical evaluation of (D-Phe<sup>6</sup>,Leu-NHEt<sup>13</sup>,des-Met<sup>14</sup>)bombesin(6-14) analogs modified with 1,4,8,11-tetraazaundecane derivatives and labeled with technetium-99m for application in oncology  
IN Chiotellis, Efstratios; Nock, Berthold; Maina, Theodosia  
PA N.C.S.R. "Demokritos"-Institute of Radioisotopes & Radiodiagnostic Products, Greece

SO Eur. Pat. Appl., 16 pp.  
CODEN: EPXXDW

DT Patent  
LA English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1181936 A1		20020227	EP 2001-600010	20010518
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI GR 2000-100175 20000525				
OS CASREACT 136:200483				
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				
L4	ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN			
AN	2001:747740 CAPLUS			
DN	135:288577			
TI	Generation of combinatorial synthetic libraries (e.g. sulfonyloxy-arylalkyloxy-sulfones) and screening for proadhesins and nonadhesins			
IN	Alberte, Randall S.; Smith, Robert D.			
PA	Phycogen, Inc., USA			
SO	PCT Int. Appl., 88 pp. CODEN: PIXXD2			
DT	Patent			
LA	English			
FAN.CNT 1				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001074762	A2	20011011	WO 2001-US10969	20010403
WO 2001074762	A3	20020530		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002052003	A1	20020502	US 2001-826287	20010403
PRAI US 2000-194333P	P	20000403		
OS	MARPAT 135:288577			

L Number	Hits	Search Text	DB	Time stamp
1	758	(564/153).CCLS.	USPAT; US-PGPUB	2004/03/02 12:18

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:49:29 ON 02 MAR 2004

=> file reg  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 10:49:37 ON 02 MAR 2004  
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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1  
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

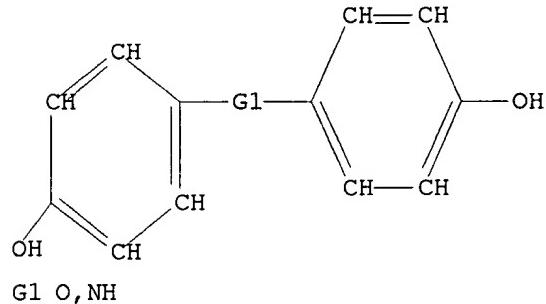
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
Uploading C:\STNEXP4\287.str

L1 STRUCTURE uploaded

=> d  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1  
SAMPLE SEARCH INITIATED 10:49:55 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 10608 TO ITERATE

9.4% PROCESSED 1000 ITERATIONS 3 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 205991 TO 218329  
PROJECTED ANSWERS: 298 TO 974

L2 3 SEA SSS SAM L1

=> d 12 1-3'

L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN

RN 189883-27-0 REGISTRY

CN Carbonic dichloride, polymer with  $\alpha$ -[[3-(2-hydroxyphenyl)propyl]dimethylsilyl]- $\omega$ -[[[3-(3-hydroxyphenyl)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], 4,4'-(1-methylethylidene)bis[phenol], 4,4'-oxybis[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with carbonic dichloride,  $\alpha$ -[[3-(2-hydroxyphenyl)propyl]dimethylsilyl]- $\omega$ -[[[3-(3-hydroxyphenyl)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], 4,4'-oxybis[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI)

CN Phenol, 4,4'-oxybis-, polymer with carbonic dichloride,  $\alpha$ -[[3-(2-hydroxyphenyl)propyl]dimethylsilyl]- $\omega$ -[[[3-(3-hydroxyphenyl)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], 4,4'-(1-methylethylidene)bis[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI)

CN Phenol, 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis-, polymer with carbonic dichloride,  $\alpha$ -[[3-(2-hydroxyphenyl)propyl]dimethylsilyl]- $\omega$ -[[[3-(3-hydroxyphenyl)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], 4,4'-(1-methylethylidene)bis[phenol] and 4,4'-oxybis[phenol] (9CI)

CN Poly[oxy(dimethylsilylene)],  $\alpha$ -[[3-(2-hydroxyphenyl)propyl]dimethylsilyl]- $\omega$ -[[[3-(3-hydroxyphenyl)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], 4,4'-(1-methylethylidene)bis[phenol], 4,4'-oxybis[phenol] and 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (9CI)

MF (C15 H16 O2 . C15 H10 F6 O2 . C12 H10 O3 . (C2 H6 O Si)n C22 H34 O3 Si2 . C Cl2 O)x

CI PMS

PCT Polycarbonate, Polycarbonate formed, Polyether

SR CA

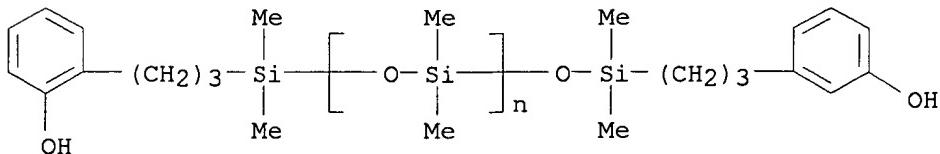
LC STN Files: CA, CAPLUS

CM 1

CRN 189817-42-3

CMF (C2 H6 O Si)n C22 H34 O3 Si2

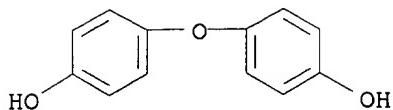
CCI PMS



CM 2

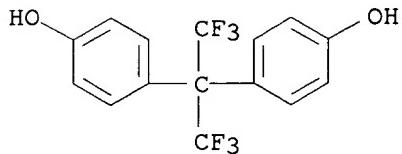
CRN 1965-09-9

CMF C12 H10 O3



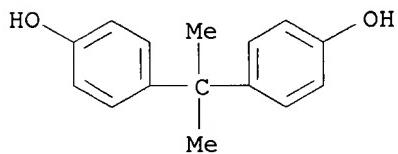
CM 3

CRN 1478-61-1  
CMF C15 H10 F6 O2



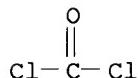
CM 4

CRN 80-05-7  
CMF C15 H16 O2



CM 5

CRN 75-44-5  
CMF C C12 O



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN

RN 163110-34-7 REGISTRY

CN 1,4-Benzenedicarbonyl dichloride, polymer with 4,4'-(1-methylethylidene)bis[2-methylphenol] and 4,4'-oxybis[phenol] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phenol, 4,4'-(1-methylethylidene)bis[2-methyl-, polymer with 1,4-benzenedicarbonyl dichloride and 4,4'-oxybis[phenol] (9CI)

CN Phenol, 4,4'-oxybis-, polymer with 1,4-benzenedicarbonyl dichloride and 4,4'-(1-methylethylidene)bis[2-methylphenol] (9CI)

MF (C17 H20 O2 . C12 H10 O3 . C8 H4 Cl2 O2)x

CI PMS

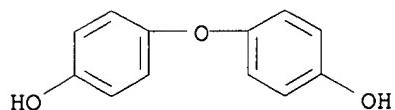
PCT Polyester, Polyester formed, Polyether

SR CA

LC STN Files: CA, CAPLUS

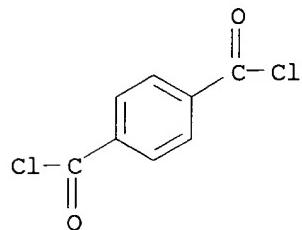
CM 1

CRN 1965-09-9  
CMF C12 H10 O3



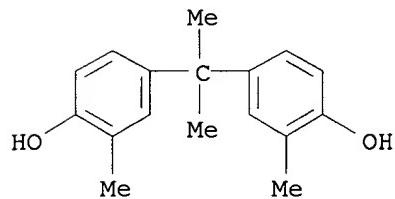
CM 2

CRN 100-20-9  
CMF C8 H4 Cl2 O2



CM 3

CRN 79-97-0  
CMF C17 H20 O2

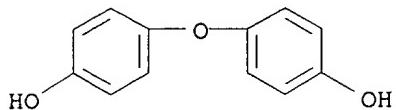


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 157551-73-0 REGISTRY  
CN [1,1'-Biphenyl]-4,4'-dicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid; 1,4-benzenediol and 4,4'-oxybis[phenol] (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1,4-Benzenedicarboxylic acid, polymer with 1,4-benzenediol, [1,1'-biphenyl]-4,4'-dicarboxylic acid and 4,4'-oxybis[phenol] (9CI)  
CN 1,4-Benzenediol, polymer with 1,4-benzenedicarboxylic acid, [1,1'-biphenyl]-4,4'-dicarboxylic acid and 4,4'-oxybis[phenol] (9CI)  
CN Phenol, 4,4'-oxybis-, polymer with 1,4-benzenedicarboxylic acid, 1,4-benzenediol and [1,1'-biphenyl]-4,4'-dicarboxylic acid (9CI)  
MF (C14 H10 O4 . C12 H10 O3 . C8 H6 O4 . C6 H6 O2)x  
CI PMS  
PCT Polyester, Polyester formed, Polyether  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

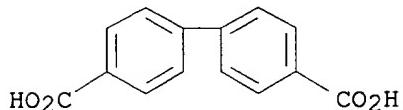
CM 1

CRN 1965-09-9  
CMF C12 H10 O3



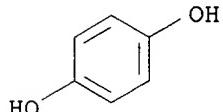
CM 2

CRN 787-70-2  
CMF C14 H10 O4



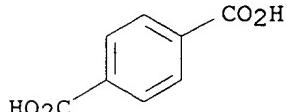
CM 3

CRN 123-31-9  
CMF C6 H6 O2



CM 4

CRN 100-21-0  
CMF C8 H6 O4



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 11 ful  
FULL SEARCH INITIATED 10:50:28 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 213526 TO ITERATE

100.0% PROCESSED 213526 ITERATIONS  
SEARCH TIME: 00.00.03

491 ANSWERS

L3 491 SEA SSS FUL L1

=> d 13 100 200 300 400 490 491

L3 ANSWER 100 OF 491 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 199533-06-7 REGISTRY  
CN 2-Propenoic acid, 2,2,3,3,4,4,4-heptafluorobutyl ester, polymer with

carbonic dichloride, 4-[1-[4-hydroxy-3-(2-propenyl)phenyl]-1-methylethyl]-2-propylphenol and 4,4'-oxybis[phenol], graft (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Carbonic dichloride, polymer with 2,2,3,3,4,4,4-heptafluorobutyl 2-propenoate, 4-[1-[4-hydroxy-3-(2-propenyl)phenyl]-1-methylethyl]-2-propylphenol and 4,4'-oxybis[phenol], graft (9CI)

CN Phenol, 4,4'-oxybis-, polymer with carbonic dichloride, 2,2,3,3,4,4,4-heptafluorobutyl 2-propenoate and 4-[1-[4-hydroxy-3-(2-propenyl)phenyl]-1-methylethyl]-2-propylphenol, graft (9CI)

CN Phenol, 4-[1-[4-hydroxy-3-(2-propenyl)phenyl]-1-methylethyl]-2-propyl-, polymer with carbonic dichloride. 2,2,3,3,4,4,4-heptafluorobutyl 2-propenoate and 4,4'-oxybis[phenol], graft (9CI)

MF (C21 H26 O2 . C12 H10 O3 . C7 H5 F7 O2 . C C12 O)x

CI PMS

PCT Polyacrylic, Polycarbonate, Polycarbonate formed, Polyether, Polyvinyl

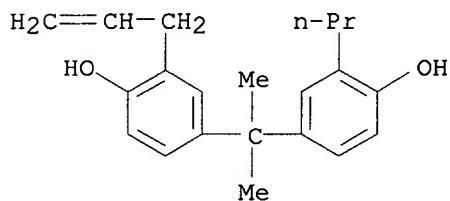
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 199533-05-6

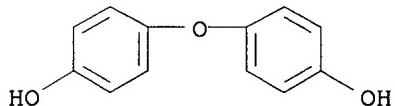
CMF C21 H26 O2



CM 2

CRN 1965-09-9

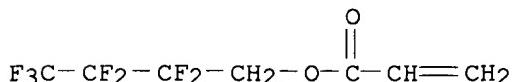
CMF C12 H10 O3



CM 3

CRN 424-64-6

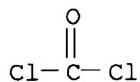
CMF C7 H5 F7 O2



CM 4

CRN 75-44-5

CMF C C12 O



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 200 OF 491 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 157913-21-8 REGISTRY

CN Carbonic acid, polymer with 4,4'-oxybis[phenol] and 4,4'-(1-phenylethyldene)bis[2-methylphenol] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phenol, 4,4'-(1-phenylethyldene)bis[2-methyl-, polymer with carbonic acid and 4,4'-oxybis[phenol] (9CI)

CN Phenol, 4,4'-oxybis-, polymer with carbonic acid and 4,4'-(1-phenylethyldene)bis[2-methylphenol] (9CI)

MF (C22 H22 O2 . C12 H10 O3 . C H2 O3)x

CI PMS

PCT Polycarbonate, Polycarbonate formed, Polyether

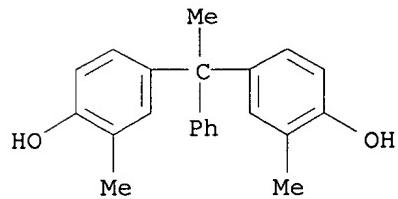
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 4754-63-6

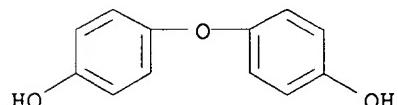
CMF C22 H22 O2



CM 2

CRN 1965-09-9

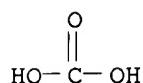
CMF C12 H10 O3



CM 3

CRN 463-79-6

CMF C H2 O3



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

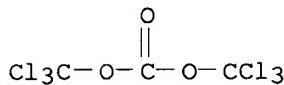
L3 ANSWER 300 OF 491 REGISTRY COPYRIGHT 2004 ACS on STN

RN 123585-73-9 REGISTRY  
CN Phenol, 4,4'-oxybis-, polymer with bis(trichloromethyl) carbonate (9CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Methanol, trichloro-, carbonate (2:1), polymer with 4,4'-oxybis[phenol]  
(9CI)  
MF (C12 H10 O3 . C3 Cl6 O3)x  
CI PMS  
PCT Polycarbonate, Polyether, Polyether formed  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*

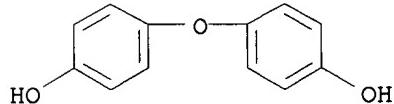
CM 1

CRN 32315-10-9  
CMF C3 Cl6 O3



CM 2

CRN 1965-09-9  
CMF C12 H10 O3

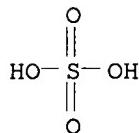


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 400 OF 491 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 68749-51-9 REGISTRY  
CN Phenol, 4,4'-iminobis-, sulfate (1:1) (salt) (9CI) (CA INDEX NAME)  
MF C12 H11 N O2 . H2 O4 S  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

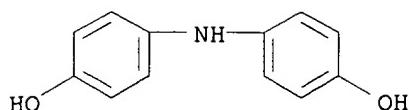
CM 1

CRN 7664-93-9  
CMF H2 O4 S



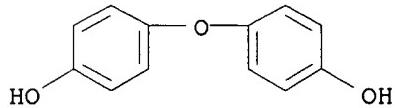
CM 2

CRN 1752-24-5  
CMF C12 H11 N O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 490 OF 491 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 1965-09-9 REGISTRY  
CN Phenol, 4,4'-oxybis- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Phenol, 4,4'-oxydi- (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN 4,4'-Dihydroxydiphenyl ether  
CN 4,4'-Dihydroxydiphenyl oxide  
CN 4,4'-Oxybis[phenol]  
CN 4,4'-Oxydiphenol  
CN Bis(4-hydroxyphenyl) ether  
CN Bis(p-hydroxyphenyl) ether  
CN p-(p-Hydroxyphenoxy)phenol  
CN p-Hydroxyphenyl ether  
CN Quinol ether  
FS 3D CONCORD  
MF C12 H10 O3  
CI COM  
LC STN Files: AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, RTECS\*, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

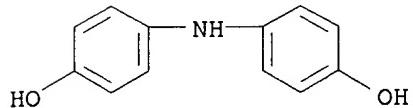


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

274 REFERENCES IN FILE CA (1907 TO DATE)  
30 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
274 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 491 OF 491 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 1752-24-5 REGISTRY  
CN Phenol, 4,4'-iminobis- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Phenol, 4,4'-iminodi- (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN 4,4'-Dihydroxydiphenylamine  
CN 4,4'-Iminobisphenol  
CN 4,4'-Iminodiphenol  
CN Bis(4-hydroxyphenyl)amine  
CN Bis(p-hydroxyphenyl)amine  
CN Indophenol, reduced  
CN Leucoindophenol  
FS 3D CONCORD  
MF C12 H11 N O2  
CI COM  
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, HODOC\*,

IFICDB, IFIPAT, IFIUDB, RTECS\*, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

73 REFERENCES IN FILE CA (1907 TO DATE)  
73 REFERENCES IN FILE CAPIUS (1907 TO DATE)  
20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file reg	COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	FULL ESTIMATED COST	173.87	174.08

FILE 'REGISTRY' ENTERED AT 10:53:44 ON 02 MAR 2004  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1  
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

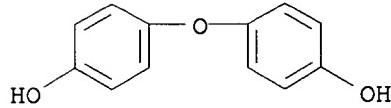
Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 1965-09-9  
L4 1 1965-09-9  
(1965-09-9/RN)

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 1965-09-9 REGISTRY  
CN Phenol, 4,4'-oxybis- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Phenol, 4,4'-oxydi- (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN 4,4'-Dihydroxydiphenyl ether  
CN 4,4'-Dihydroxydiphenyl oxide  
CN 4,4'-Oxybis[phenol]  
CN 4,4'-Oxydiphenol  
CN Bis(4-hydroxyphenyl) ether  
CN Bis(p-hydroxyphenyl) ether  
CN p-(p-Hydroxyphenoxy)phenol

CN p-Hydroxyphenyl ether  
CN Quinol ether  
FS 3D CONCORD  
MF C12 H10 O3  
CI COM  
LC STN Files: AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,  
CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, RTECS\*,  
SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

274 REFERENCES IN FILE CA (1907 TO DATE)  
30 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
274 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 752-24-5  
L5 0 752-24-5

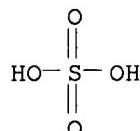
=> s 68749-51-9  
L6 1 68749-51-9  
(68749-51-9/RN)

=> d

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 68749-51-9 REGISTRY  
CN Phenol, 4,4'-iminobis-, sulfate (1:1) (salt) (9CI) (CA INDEX NAME)  
MF C12 H11 N O2 . H2 O4 S  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

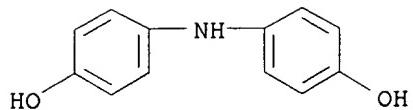
CM 1

CRN 7664-93-9  
CMF H2 O4 S



CM 2

CRN 1752-24-5  
CMF C12 H11 N O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

FILE 'CAPLUS' ENTERED AT 10:55:09 ON 02 MAR 2004  
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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10  
FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16

L7 1 L6

=> d

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1979:22578 CAPLUS  
 DN 90:22578  
 TI 4,4'-Dihydroxydiphenylamine purification  
 IN Tamaki, Akihiro; Yamamoto, Kosuke  
 PA Mitsui Toatsu Chemicals, Inc., Japan  
 SO Jpn. Kokai Tokkyo Koho, 2 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1  
 PATENT NO. KIND DATE APPLICATION  
 -----  
 PI JP 53092722 A2 19780815 JP 1977-63  
     JP 61052138 B4 19861112  
 PRAI JP 1977-6333 19770125

FILE 'USPATFULL' ENTERED AT 10:55:25 ON 02 MAR 2004

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 2 Mar 2004 (20040302/PD)

FILE LAST UPDATED: 2 Mar 2004 (20040302/ED)

HIGHEST GRANTED PATENT NUMBER: US6701528

HIGHEST APPLICATION PUBLICATION NUMBER: US2004040063

CA INDEXING IS CURRENT THROUGH 2 Mar 2004 (20040302/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Mar 2004 (20040302/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2003

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<  
>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<  
>>> enter this cluster. <<<  
>>> <<<  
>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14  
L8 66 L4

=> d 18 60-66

L8 ANSWER 60 OF 66 USPATFULL on STN  
AN 77:12828 USPATFULL  
TI Bisfluoran chromogenic compounds, preparation thereof, and pressure-sensitive copy systems employing same  
IN Vincent, David N., Glenview, IL, United States  
Chang, Cheng Hsiung, Chicago, IL, United States  
PA Champion International Corporation, Stamford, CT, United States (U.S. corporation)  
PI US 4012419 19770315  
AI US 1974-430141 19740102 (5)  
RLI Division of Ser. No. US 1973-329294, filed on 5 Feb 1973, now patented, Pat. No. US 3821010  
DT Utility  
FS Granted  
LN.CNT 408  
INCL INCLM: 260/335.000  
INCLS: 428/914.000  
NCL NCLM: 549/225.000  
NCLS: 428/914.000  
IC [2]  
ICM: C07D519-00  
EXF 260/335  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 61 OF 66 USPATFULL on STN  
AN 76:65110 USPATFULL  
TI Control of Acarina by esters of cyclopropane acids  
IN Henrick, Clive A., Palo Alto, CA, United States

PA      Staal, Gerardus B., Palo Alto, CA, United States  
PI      Zoecon Corporation, Palo Alto, CA, United States (U.S. corporation)  
AI      US 3995054                  19761130  
RLI     Division of Ser. No. US 1974-461189, filed on 12 Apr 1974, now patented,  
          Pat. No. US 3925460 which is a continuation-in-part of Ser. No. US  
          1973-413958, filed on 8 Nov 1973, now abandoned Ser. No. Ser. No. US  
          1973-367058, filed on 4 Jun 1973, now abandoned Ser. No. Ser. No. US  
          1973-390991, filed on 23 Aug 1973, now abandoned Ser. No. Ser. No. US  
          1973-350952, filed on 13 Apr 1973, now patented, Pat. No. US 3849466 And  
          Ser. No. US 1973-351028, filed on 13 Apr 1973, now patented, Pat. No. US  
          3860629  
DT      Utility  
FS      Granted  
LN.CNT 1283  
INCL    INCLM: 424/305.000  
          INCLS: 424/DIG.012  
NCL     NCLM: 514/531.000  
          NCLS: 424/DIG.012  
IC      [2]  
        ICM: A01N009-24  
EXF     424/305; 424/DIG.12; 260/468H  
CAS    INDEXING IS AVAILABLE FOR THIS PATENT.

L8    ANSWER 62 OF 66 USPATFULL on STN  
AN    76:42848 USPATFULL  
TI    4,4'-Isopropylidene-bis(3- and 4-phenyleneoxyphthalic anhydride)  
IN    Heath, Darrell R., Schenectady, NY, United States  
      Wirth, Joseph G., Schenectady, NY, United States  
PA    General Electric Company, Schenectady, NY, United States (U.S.  
      corporation)  
PI    US 3972902                  19760803  
AI    US 1972-281749                  19720818 (5)  
RLI   Continuation-in-part of Ser. No. US 1971-108151, filed on 20 Jan 1971,  
      now patented, Pat. No. US 3787475  
DT    Utility  
FS    Granted  
LN.CNT 525  
INCL    INCLM: 260/346.300  
          INCLS: 260/002.000EA; 260/078.000TF; 260/465.000F; 260/516.000;  
          260/517.000; 260/520.000E  
NCL    NCLM: 549/241.000  
          NCLS: 528/097.000; 528/104.000; 528/173.000; 562/429.000; 562/432.000;  
          562/460.000; 562/465.000; 562/468.000; 562/469.000  
IC    [2]  
      ICM: C07D307-89  
EXF   260/346.3  
CAS   INDEXING IS AVAILABLE FOR THIS PATENT.

L8    ANSWER 63 OF 66 USPATFULL on STN  
AN    75:27920 USPATFULL  
TI    Process for the production of dihydroxydiphenylethers  
IN    Biller, Efim, Fribourg, Switzerland  
      Schmook, Fritz-Peter, Vienna, Austria  
      Haas, Bernd, Wesseling, Germany, Federal Republic of  
PA    Union Rheinische Braunkohlen kraffstoff Aktiengesellschaft, 5047  
      Wesseling, Germany, Federal Republic of (non-U.S. corporation)  
PI    US 3886218                  19750527  
AI    US 1973-380535                  19730719 (5)  
PRAI   DE 1972-2237762                  19720801  
DT    Utility  
FS    Granted  
LN.CNT 185  
INCL    INCLM: 260/613.000R  
NCL    NCLM: 568/638.000  
IC    [1]  
      ICM: C07C041-00

EXF 260/613R  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 64 OF 66 USPATFULL on STN  
AN 75:21141 USPATFULL  
TI METHOD FOR MAKING AROMATIC BIS(ETHER ANHYDRIDE)S  
IN Heath, Darrell R., Pittsfield, MA, United States  
Takekoshi, Tohru, Scotia, NY, United States  
PA General Electric Company, Schenectady, NY, United States (U.S.  
corporation)  
PI US 3879428 19750422  
AI US 1973-346473 19730330 (5)  
DT Utility  
FS Granted  
LN.CNT 350  
INCL INCLM: 260/346.300  
INCLS: 260/030.400R; 260/078.000; 260/326.000A; 260/326.000N;  
260/516.000; 260/520.000; 260/326.000S  
NCL NCLM: 549/241.000  
NCLS: 524/094.000; 548/476.000; 548/481.000; 562/473.000  
IC [1]  
ICM: C07C063-48  
ICS: C07C063-00  
EXF 260/346.3; 260/326S  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 65 OF 66 USPATFULL on STN  
AN 75:11224 USPATFULL  
TI BIS(DICYANOPHENYL). ETHERS OF DIHYDRIC PHENOLS  
IN Heath, Darrell R., Schenectady, NY, United States  
Wirth, Joseph G., Schenectady, NY, United States  
PA General Electric Company, Schenectady, NY, United States (U.S.  
corporation)  
PI US 3869499 19750304  
AI US 1973-323083 19730112 (5)  
RLI Division of Ser. No. US 1971-108151, filed on 20 Jan 1971, now patented,  
Pat. No. US 3787475  
DT Utility  
FS Granted  
LN.CNT 894  
INCL INCLM: 260/465.000F  
INCLS: 260/294.900; 260/465.000D  
NCL NCLM: 558/413.000  
NCLS: 558/414.000; 558/415.000; 558/416.000; 558/420.000  
IC [1]  
ICM: C07C121-74  
EXF 260/465F  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 66 OF 66 USPATFULL on STN  
AN 73:41559 USPATFULL  
TI POWDERED COATING COMPOSITION OF UNSATURATED GLYCIDYL COPOLYMER, FLOW  
CONTROL AGENTS AND DIPHENOLIC CROSSLINKING AGENTS  
IN Labana, Santokh S., Dearborn Heights, MI, United States  
Newman, Seymour, Southfield, MI, United States  
PA Ford Motor Company, Dearborn, MI, United States (U.S. corporation)  
PI US 3758634 19730911  
AI US 1971-172228 19710816 (5)  
DT Utility  
FS Granted  
LN.CNT 1137  
INCL INCLM: 260/836.000  
INCLS: 117/093.400R; 117/126.000GE; 117/126.000GR; 117/132.000BE;  
260/037.000EP; 260/041.000R; 260/041.000A; 260/041.000B;  
260/041.000C; 260/830.000; 260/DIG.016  
NCL NCLM: 523/437.000  
NCLS: 260/DIG.016; 524/513.000; 524/517.000; 524/904.000; 525/133.000;

525/150.000

IC [1]

ICM: C08G045-04

ICS: C08G045-00

EXF 260/830R; 260/836

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

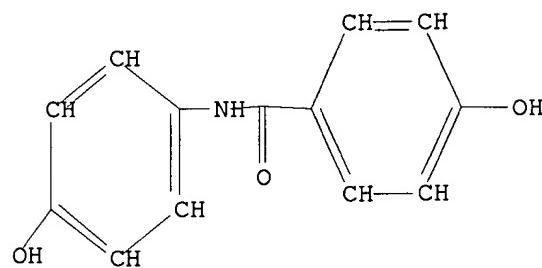
Uploading C:\STNEXP4\87.str

L9 STRUCTURE UPLOADED

=> d

L9 HAS NO ANSWERS

L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 19

SAMPLE SEARCH INITIATED 10:57:44 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 4942 TO ITERATE

20.2% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 94626 TO 103054  
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=> s 19 ful  
FULL SEARCH INITIATED 10:57:49 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 99649 TO ITERATE

100.0% PROCESSED 99649 ITERATIONS  
SEARCH TIME: 00.00.02

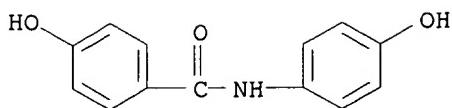
L11 12 SEA SSS FUL L9

=> d 111 1-12

L11 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 171428-29-8 REGISTRY  
CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, disodium salt, polymer with  
2,2'-[1,4-phenylenebis(chloromethylidyne)]bis[propanedinitrile] (9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Propanedinitrile, 2,2'-[1,4-phenylenebis(chloromethylidyne)]bis-, polymer  
with 4-hydroxy-N-(4-hydroxyphenyl)benzamide disodium salt (9CI)  
MF (C14 H4 Cl2 N4 . C13 H11 N O3 . 2 Na)x  
CI PMS  
PCT Polyamide, Polyether, Polyether formed, Polystyrene, Polyvinyl  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

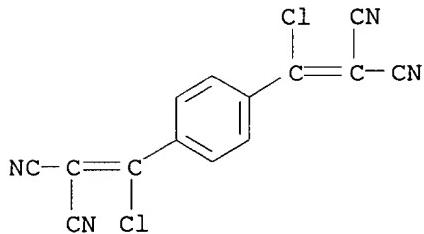
CRN 171428-28-7 (22744-42-9)  
CMF C13 H11 N O3 . 2 Na



●2 Na

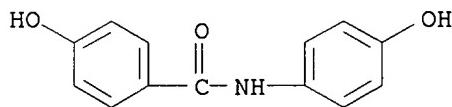
CM 2

CRN 103134-51-6  
CMF C14 H14 Cl2 N4



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 171428-28-7 REGISTRY  
CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, disodium salt (9CI) (CA INDEX NAME)  
MF C13 H11 N O3 . 2 Na  
CI COM  
SR CA  
CRN (22744-42-9)

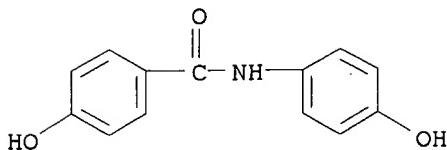


●2 Na

L11 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 154104-82-2 REGISTRY  
CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with  
2,2'-(1-methylethyldene)bis(4,1-phenyleneoxymethylene)bis[oxirane]  
(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Oxirane, 2,2'-(1-methylethyldene)bis(4,1-phenyleneoxymethylene)bis-,  
polymer with 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI)  
MF (C21 H24 O4 . C13 H11 N O3)x  
CI PMS  
PCT Epoxy resin, Polyether, Polyether  
SR CA  
LC STN Files: CA, CAPLUS

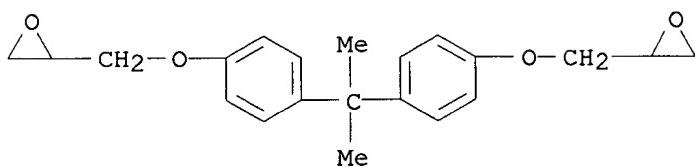
CM 1

CRN 22744-42-9  
CMF C13 H11 N O3



CM 2

CRN 1675-54-3  
CMF C21 H24 O4



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN

RN 142302-48-5 REGISTRY

CN Benzoic acid, 4-[[[4-[(oxiranylmethoxy)carbonyl]phenyl]amino]carbonyl]-, oxiranylmethyl ester, polymer with 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with oxiranylmethyl 4-[[[4-[(oxiranylmethoxy)carbonyl]phenyl]amino]carbonyl]benzoate (9CI)

MF (C21 H19 N O7 . C13 H11 N O3)x

CI PMS

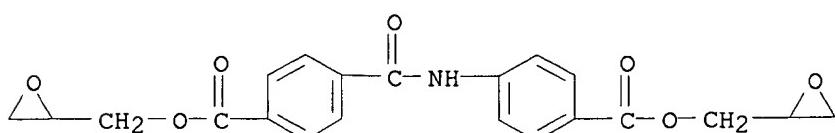
PCT Epoxy resin, Polyamide, Polyester, Polyether

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

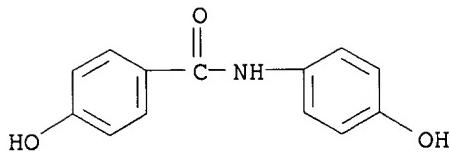
CM 1

CRN 142288-75-3  
CMF C21 H19 N O7



CM 2

CRN 22744-42-9  
CMF C13 H11 N O3



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN

RN 142113-50-6 REGISTRY

CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with  
(chloromethyl)oxirane and (E)-4,4'-(1,2-ethenediyl)bis[benzenamine] (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenamine, 4,4'-(1,2-ethenediyl)bis-, (E)-, polymer with  
(chloromethyl)oxirane and 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI)

CN Oxirane, (chloromethyl)-, polymer with (E)-4,4'-(1,2-  
ethenediyl)bis[benzenamine] and 4-hydroxy-N-(4-hydroxyphenyl)benzamide  
(9CI)

FS STEREOSEARCH

MF (C14 H14 N2 . C13 H11 N O3 . C3 H5 Cl O)x

CI PMS

PCT Epoxy resin, Polyamide, Polystyrene

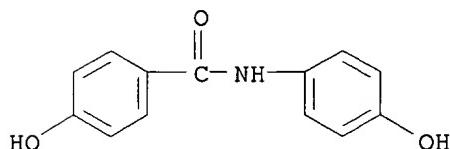
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 22744-42-9

CMF C13 H11 N O3

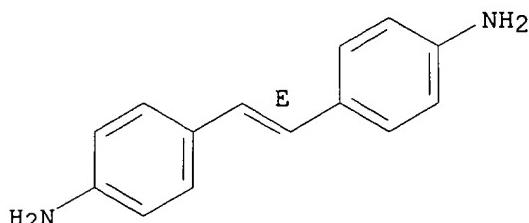


CM 2

CRN 7314-06-9

CMF C14 H14 N2

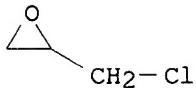
Double bond geometry as shown.



CM 3

CRN 106-89-8

CMF C3 H5 Cl O

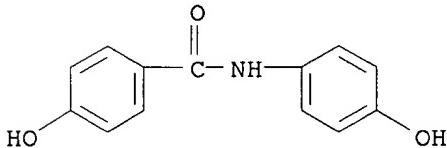


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 142113-48-2 REGISTRY  
CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with  
(chloromethyl)oxirane (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Oxirane, (chloromethyl)-, polymer with 4-hydroxy-N-(4-  
hydroxyphenyl)benzamide (9CI)  
MF (C13 H11 N O3 . C3 H5 Cl O)x  
CI PMS  
PCT Epoxy resin, Polyamide  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

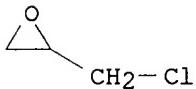
CM 1

CRN 22744-42-9  
CMF C13 H11 N O3



CM 2

CRN 106-89-8  
CMF C3 H5 Cl O

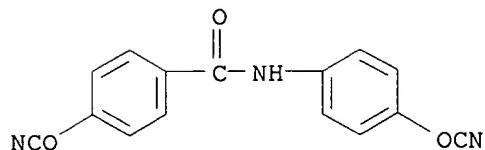


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 135222-23-0 REGISTRY  
CN Cyanic acid, 4-[(4-cyanatobenzoyl)amino]phenyl ester, polymer with  
4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with  
4-[(4-cyanatobenzoyl)amino]phenyl cyanate (9CI)  
MF (C15 H9 N3 O3 . C13 H11 N O3)x  
CI PMS  
PCT Polyamide, Polycyanurate, Polycyanurate formed, Polyether  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

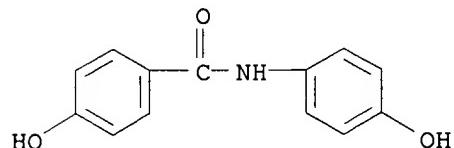
CM 1

CRN 135222-22-9  
CMF C15 H9 N3 O3



CM 2

CRN 22744-42-9  
CMF C13 H11 N O3



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPIUS (1907 TO DATE)

L11 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN

RN 89933-19-7 REGISTRY

CN Decanedioyl dichloride, polymer with bis(4-hydroxyphenyl)methanone and 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with bis(4-hydroxyphenyl)methanone and decanedioyl dichloride (9CI)

CN Methanone, bis(4-hydroxyphenyl)-, polymer with decanedioyl dichloride and 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI)

MF (C13 H11 N O3 . C13 H10 O3 . C10 H16 Cl2 O2)x

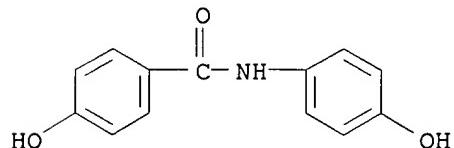
CI PMS

PCT Polyamide, Polyester, Polyester formed, Polyketone

LC STN Files: CA, CAPIUS

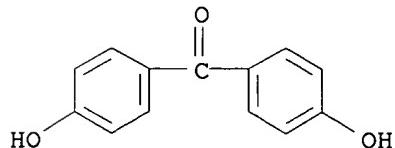
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CRN 22744-42-9  
CMF C13 H11 N O3



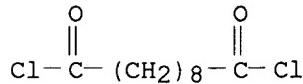
CM 2

CRN 611-99-4  
CMF C13 H10 O3



CM 3

CRN 111-19-3  
CMF C10 H16 Cl2 O2



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN

RN 89933-18-6 REGISTRY

CN Octanedioyl dichloride, polymer with 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with octanedioyl dichloride (9CI)

DR 105155-76-8

MF (C13 H11 N O3 . C8 H12 Cl2 O2)x

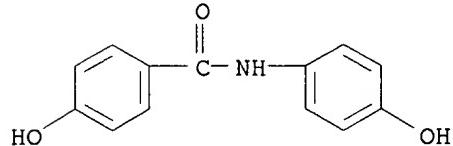
CI PMS

PCT Polyamide, Polyester, Polyester formed

LC STN Files: CA, CAPLUS

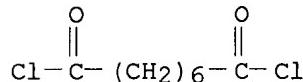
CM 1

CRN 22744-42-9  
CMF C13 H11 N O3



CM 2

CRN 10027-07-3  
CMF C8 H12 Cl2 O2



3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN

RN 89933-17-5 REGISTRY

CN Decanedioyl dichloride, polymer with 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with decanedioyl dichloride (9CI)

DR 105155-77-9

MF (C13 H11 N O3 . C10 H16 Cl2 O2)x

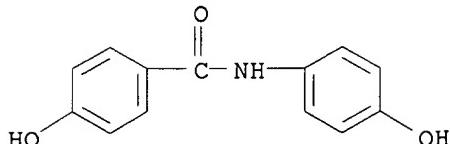
CI PMS

PCT Polyamide, Polyester, Polyester formed

LC STN Files: CA, CAPLUS

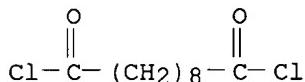
CM 1

CRN 22744-42-9  
CMF C13 H11 N O3



CM 2

CRN 111-19-3  
CMF C10 H16 C12 O2



3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN

RN 89933-16-4 REGISTRY

CN Octanedioyl dichloride, polymer with bis(4-hydroxyphenyl)methanone and 4-hydroxy-N-(4-hydroxyphenyl)benzamide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)-, polymer with bis(4-hydroxyphenyl)methanone and octanedioyl dichloride (9CI)

CN Methanone, bis(4-hydroxyphenyl)-, polymer with 4-hydroxy-N-(4-hydroxyphenyl)benzamide and octanedioyl dichloride (9CI)

MF (C13 H11 N O3 . C13 H10 O3 . C8 H12 C12 O2)x

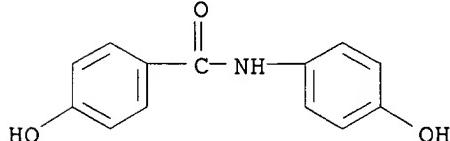
CI PMS

PCT Polyamide, Polyester, Polyester formed, Polyketone

LC STN Files: CA, CAPLUS

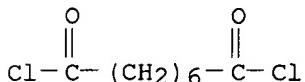
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CRN 22744-42-9  
CMF C13 H11 N O3



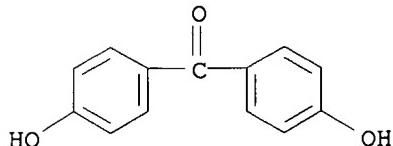
CM 2

CRN 10027-07-3  
CMF C8 H12 C12 O2



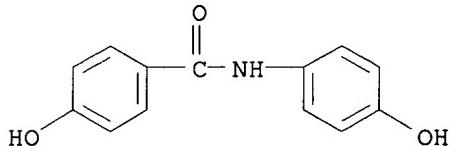
CM 3

CRN 611-99-4  
CMF C13 H10 O3



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 22744-42-9 REGISTRY  
CN Benzamide, 4-hydroxy-N-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Benzanilide, 4,4'-dihydroxy- (8CI)  
OTHER NAMES:  
CN 4,4'-Dihydroxybenzanilide  
CN 4-Hydroxy-N-(4-hydroxyphenyl)benzamide  
FS 3D CONCORD  
MF C13 H11 N O3  
CI COM  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER,  
USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

25 REFERENCES IN FILE CA (1907 TO DATE)  
25 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file uspatfull	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	176.66	367.13

FILE 'USPATFULL' ENTERED AT 10:58:19 ON 02 MAR 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 2 Mar 2004 (20040302/PD)  
FILE LAST UPDATED: 2 Mar 2004 (20040302/ED)  
HIGHEST GRANTED PATENT NUMBER: US6701528  
HIGHEST APPLICATION PUBLICATION NUMBER: US2004040063  
CA INDEXING IS CURRENT THROUGH 2 Mar 2004 (20040302/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Mar 2004 (20040302/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2003  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<

>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<  
>>> enter this cluster. <<<

>>> <<<

>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 111

L12 16 L11

=> d 112 10-16

L12 ANSWER 10 OF 16 USPATFULL on STN  
AN 94:24404 USPATFULL  
TI Curable mixtures of mesogenic epoxy resins and mesogenic polyamines and cured compositions  
IN Earls, Jimmy D., Lake Jackson, TX, United States  
Hefner, Jr., Robert E., Lake Jackson, TX, United States  
Puckett, Paul M., Lake Jackson, TX, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 5296570 19940322  
AI US 1993-69910 19930601 (8)  
RLI Continuation-in-part of Ser. No. US 1992-906081, filed on 29 Jun 1992, now patented, Pat. No. US 5218062 which is a continuation-in-part of Ser. No. US 1990-562182, filed on 3 Aug 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1774  
INCL INCLM: 525/481.000  
INCLS: 525/482.000; 525/483.000; 525/484.000; 525/523.000; 525/524.000;  
525/525.000; 525/526.000; 528/096.000; 528/097.000; 528/098.000;  
528/099.000; 528/100.000; 528/101.000; 528/103.000; 528/104.000;  
528/107.000; 528/109.000; 528/110.000; 528/111.000; 528/116.000;  
528/117.000; 528/118.000; 528/122.000; 528/123.000; 528/124.000;  
528/407.000  
NCL NCLM: 525/481.000  
NCLS: 525/482.000; 525/483.000; 525/484.000; 525/523.000; 525/524.000;  
525/525.000; 525/526.000; 528/096.000; 528/097.000; 528/098.000;  
528/099.000; 528/100.000; 528/101.000; 528/103.000; 528/104.000;  
528/107.000; 528/109.000; 528/110.000; 528/111.000; 528/116.000;  
528/117.000; 528/118.000; 528/122.000; 528/123.000; 528/124.000;  
528/407.000  
IC [5]  
ICM: C08G059-00  
ICS: C08G065-08; C08G065-14  
EXF 528/96; 528/97; 528/98; 528/99; 528/100; 528/101; 528/103; 528/104;  
528/107; 528/109; 528/110; 528/111; 528/116; 528/117; 528/118; 528/122;  
528/123; 528/124; 528/407; 525/481; 525/482; 525/483; 525/484; 525/523;  
525/524; 525/525R; 525/526  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 11 OF 16 USPATFULL on STN

AN 94:20265 USPATFULL

TI Mesogenic epoxy compounds

IN Earls, Jimmy D., Lake Jackson, TX, United States  
Hefner, Jr., Robert E., Lake Jackson, TX, United States  
Puckett, Paul M., Lake Jackson, TX, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 5292831 19940308  
AI US 1992-919677 19920727 (7)  
RLI Continuation-in-part of Ser. No. US 1990-616538, filed on 21 Nov 1990,  
now abandoned which is a continuation-in-part of Ser. No. US  
1990-553492, filed on 13 Jul 1990, now abandoned which is a  
continuation-in-part of Ser. No. US 1989-298431, filed on 17 Jan 1989,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 2163  
INCL INCLM: 525/523.000  
INCLS: 525/528.000; 525/529.000; 525/530.000; 525/532.000; 525/533.000;  
526/273.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 528/102.000; 528/104.000; 528/107.000; 528/109.000;  
528/112.000; 528/113.000; 528/114.000; 528/115.000; 528/116.000;  
528/117.000; 528/118.000; 528/120.000; 528/122.000; 528/123.000;  
528/124.000; 428/001.000; 252/299.010  
NCL NCLM: 525/523.000  
NCLS: 252/299.010; 264/495.000; 525/528.000; 525/529.000; 525/530.000;  
525/532.000; 525/533.000; 526/273.000; 528/097.000; 528/098.000;  
528/099.000; 528/100.000; 528/101.000; 528/102.000; 528/104.000;  
528/107.000; 528/109.000; 528/112.000; 528/113.000; 528/114.000;  
528/115.000; 528/116.000; 528/117.000; 528/118.000; 528/120.000;  
528/122.000; 528/123.000; 528/124.000  
IC [5]  
ICM: C08G059-00  
ICS: C08G059-20  
EXF 525/523; 525/528; 525/529; 525/530; 525/532; 525/533; 526/273;  
528/97-102; 528/104; 528/107; 528/109; 528/112-118; 528/120;  
528/122-124; 428/1; 252/299.01  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 12 OF 16 USPATFULL on STN  
AN 93:105048 USPATFULL  
TI Mesogenic epoxy compounds  
IN Earls, Jimmy D., Lake Jackson, TX, United States  
Hefner, Jr., Robert E., Lake Jackson, TX, United States  
Puckett, Paul M., Lake Jackson, TX, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 5270405 19931214  
AI US 1992-919791 19920727 (7)  
RLI Continuation-in-part of Ser. No. US 1990-616539, filed on 21 Nov 1990,  
now abandoned which is a continuation-in-part of Ser. No. US  
1990-553492, filed on 13 Jul 1990, now abandoned which is a  
continuation-in-part of Ser. No. US 1989-298431, filed on 17 Jan 1989,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 2470  
INCL INCLM: 525/481.000  
INCLS: 525/482.000; 525/523.000; 525/526.000; 525/528.000; 525/533.000;  
528/096.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 528/104.000  
NCL NCLM: 525/481.000  
NCLS: 525/482.000; 525/523.000; 525/526.000; 525/528.000; 525/533.000;  
528/096.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 528/104.000  
IC [5]  
ICM: C08G059-06  
ICS: C08G059-24; C08G059-26; C08L063-02  
EXF 528/96; 528/97; 528/98; 528/99; 528/100; 528/101; 528/104; 525/523;  
525/526; 525/528; 525/533; 525/481; 525/482  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 13 OF 16 USPATFULL on STN  
AN 93:105047 USPATFULL  
TI Curable compositions of mesogen-containing advanced epoxy resins and curing agents therefor  
IN Earls, Jimmy D., Lake Jackson, TX, United States  
Hefner, Jr., Robert E., Lake Jackson, TX, United States  
Puckett, Paul M., Lake Jackson, TX, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 5270404 19931214  
AI US 1992-916305 19920717 (7)  
RLI Continuation-in-part of Ser. No. US 1990-616538, filed on 21 Nov 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-553491, filed on 13 Jul 1990, now abandoned which is a continuation-in-part of Ser. No. US 1989-298431, filed on 17 Jan 1989, now abandoned  
DT Utility  
FS Granted  
LN.CNT 2497  
INCL INCLM: 525/481.000  
INCLS: 525/482.000; 525/523.000; 525/526.000; 525/528.000; 525/533.000;  
528/096.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 528/104.000  
NCL NCLM: 525/481.000  
NCLS: 525/482.000; 525/523.000; 525/526.000; 525/528.000; 525/533.000;  
528/096.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 528/104.000  
IC [5]  
ICM: C08G059-06  
ICS: C08G059-40; C08G059-46; C08L063-02  
EXF 525/523; 525/526; 525/528; 525/533; 525/481; 525/482; 528/96; 528/97;  
528/98; 528/99; 528/100; 528/101; 528/104  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 14 OF 16 USPATFULL on STN  
AN 93:100834 USPATFULL  
TI Curable compositions containing mesogenic epoxy compounds and cured products thereof  
IN Hefner, Jr., Robert E., Lake Jackson, TX, United States  
Earls, Jimmy D., Lake Jackson, TX, United States  
Puckett, Paul M., Lake Jackson, TX, United States  
PA The Dow Chemical Co., Midland, MI, United States (U.S. corporation)  
PI US 5266660 19931130  
AI US 1992-916293 19920717 (7)  
RLI Continuation-in-part of Ser. No. US 1990-616538, filed on 21 Nov 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-553491, filed on 13 Jul 1990, now abandoned which is a continuation-in-part of Ser. No. US 1989-298431, filed on 17 Jan 1989, now abandoned  
DT Utility  
FS Granted  
LN.CNT 2623  
INCL INCLM: 525/481.000  
INCLS: 525/482.000; 525/523.000; 525/526.000; 525/528.000; 525/533.000;  
528/096.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 528/104.000; 549/555.000; 549/557.000  
NCL NCLM: 525/481.000  
NCLS: 525/482.000; 525/523.000; 525/526.000; 525/528.000; 525/533.000;  
528/096.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 528/104.000; 549/555.000; 549/557.000  
IC [5]  
ICM: C08G059-06  
ICS: C08G059-22; C08G059-28; C08L063-02  
EXF 525/523; 525/526; 525/528; 525/533; 525/481; 525/482; 528/96; 528/97;  
528/98; 528/99; 528/100; 528/101; 528/104; 549/555; 549/557  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 15 OF 16 USPATFULL on STN  
AN 93:56994 USPATFULL  
TI Curable mixtures of mesogenic epoxy resins and mesogenic polyamines and cured compositions  
IN Earls, Jimmy D., Lake Jackson, TX, United States  
Hefner, Jr., Robert E., Lake Jackson, TX, United States  
Puckett, Paul M., Lake Jackson, TX, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 5227452 19930713  
AI US 1992-906088 19920629 (7)  
RLI Continuation-in-part of Ser. No. US 1990-562182, filed on 3 Aug 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1817  
INCL INCLM: 528/096.000  
INCLS: 528/097.000; 528/098.000; 528/099.000; 528/100.000; 528/101.000;  
528/103.000; 528/104.000; 528/107.000; 525/481.000; 525/482.000;  
525/483.000; 525/484.000; 525/523.000; 525/524.000; 525/525.000;  
525/526.000; 528/109.000; 528/110.000; 528/111.000; 528/116.000;  
528/117.000; 528/118.000; 528/122.000; 528/123.000; 528/124.000;  
528/407.000  
NCL NCLM: 528/096.000  
NCLS: 525/481.000; 525/482.000; 525/483.000; 525/484.000; 525/523.000;  
525/524.000; 525/525.000; 525/526.000; 528/097.000; 528/098.000;  
528/099.000; 528/100.000; 528/101.000; 528/103.000; 528/104.000;  
528/107.000; 528/109.000; 528/110.000; 528/111.000; 528/116.000;  
528/117.000; 528/118.000; 528/122.000; 528/123.000; 528/124.000;  
528/407.000  
IC [5]  
ICM: C08G059-00  
ICS: C08G065-08; C08G065-14  
EXF 528/96; 528/97; 528/98; 528/99; 528/100; 528/101  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 16 OF 16 USPATFULL on STN  
AN 93:46507 USPATFULL  
TI Curable mixtures of mesogenic epoxy resins and mesogenic polyamines and cured compositions  
IN Earls, Jimmy D., Lake Jackson, TX, United States  
Hefner, Jr., Robert E., Lake Jackson, TX, United States  
Puckett, Paul M., Lake Jackson, TX, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 5218062 19930608  
AI US 1992-906081 19920629 (7)  
RLI Continuation-in-part of Ser. No. US 1990-562182, filed on 3 Aug 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1726  
INCL INCLM: 525/526.000  
INCLS: 528/096.000; 528/097.000; 528/098.000; 528/099.000; 528/100.000;  
528/101.000; 525/523.000; 525/524.000; 525/525.000; 525/533.000;  
525/481.000; 525/482.000; 525/483.000; 525/484.000; 525/488.000  
NCL NCLM: 525/526.000  
NCLS: 525/481.000; 525/482.000; 525/483.000; 525/484.000; 525/488.000;  
525/523.000; 525/524.000; 525/525.000; 525/533.000; 528/096.000;  
528/097.000; 528/098.000; 528/099.000; 528/100.000; 528/101.000  
IC [5]  
ICM: C08G059-00  
ICS: C08G065-08; C08G065-14  
EXF 528/96; 528/97; 528/98; 528/99; 528/100; 528/101; 525/523; 525/524;  
525/525; 525/526; 525/533; 525/481; 525/482; 525/483; 525/484; 525/488  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:22:38 ON 02 MAR 2004

=> file reg  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
SESSION  
FULL ESTIMATED COST ENTRY 0.21 0.21

FILE 'REGISTRY' ENTERED AT 10:22:49 ON 02 MAR 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1  
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
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Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 946-80-5  
L1 1 946-80-5  
(946-80-5/RN)

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN **946-80-5** REGISTRY  
CN Benzene, (phenoxyethyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Ether, benzyl phenyl (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN Anisole,  $\alpha$ -phenyl-  
CN Benzyl phenyl ether  
CN Benzyloxybenzene  
CN NSC 77971  
CN Phenyl benzyl ether  
FS 3D CONCORD  
MF C13 H12 O  
CI COM  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
CHEMINFORMRX, CSCHEM, DETHERM\*, GMELIN\*, HODOC\*, IFICDB, IFIPAT, IFIUDB,  
SPECINFO, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

PhO—CH<sub>2</sub>—Ph

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

503 REFERENCES IN FILE CA (1907 TO DATE)  
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

503 REFERENCES IN FILE CAPIUS (1907 TO DATE)  
42 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 122-39-4

L2 1 122-39-4  
(122-39-4/RN)

=> d ,

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 122-39-4 REGISTRY

CN Benzenamine, N-phenyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Diphenylamine (8CI)

OTHER NAMES:

CN Anilinobenzene

CN Benzene, (phenylamino)-

CN DBA

CN DFA

CN DPA

CN N,N-Diphenylamine

CN N-Phenylaniline

CN N-Phenylbenzenamine

CN Naugalube 428L

CN No-Scald

CN NSC 215210

FS 3D CONCORD

MF C12 H11 N

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPIUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DIPPR\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM\*, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Ph-NH- Ph

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8113 REFERENCES IN FILE CA (1907 TO DATE)

547 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

8123 REFERENCES IN FILE CAPIUS (1907 TO DATE)

14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 93-99-2

L3 1 93-99-2  
(93-99-2/RN)

=> d ,

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 93-99-2 REGISTRY

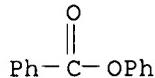
CN Benzoic acid, phenyl ester (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phenol, benzoate (7CI)

OTHER NAMES:

CN NSC 37086  
CN Phenyl benzoate  
FS 3D CONCORD  
MF C13 H10 O2  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA,  
CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX,  
CHEMLIST, CIN, CSCHEM, DETHERM\*, GMELIN\*, HODOC\*, IFICDB, IFIPAT,  
IFIUDB, MEDLINE, MRCK\*, MSDS-OHS, PROMT, RTECS\*, SPECINFO, TOXCENTER,  
USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1068 REFERENCES IN FILE CA (1907 TO DATE)  
50 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1071 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
45 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file uspatfull	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	6.15	6.36

FILE 'USPATFULL' ENTERED AT 10:24:03 ON 02 MAR 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 2 Mar 2004 (20040302/PD)  
FILE LAST UPDATED: 2 Mar 2004 (20040302/ED)  
HIGHEST GRANTED PATENT NUMBER: US6701528  
HIGHEST APPLICATION PUBLICATION NUMBER: US2004040063  
CA INDEXING IS CURRENT THROUGH 2 Mar 2004 (20040302/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Mar 2004 (20040302/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2003  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<  
>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<  
>>> enter this cluster. <<<  
>>>  
>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

substance identification.

=> s 11  
L4 24 L1

=> d 14 20-24

L4 ANSWER 20 OF 24 USPATFULL on STN  
AN 84:61004 USPATFULL  
TI Heat-sensitive recording materials  
IN Ichijima, Seiji, Kanagawa, Japan  
Ohki, Nobutaka, Kanagawa, Japan  
Satomura, Masato, Kanagawa, Japan  
Iwakura, Ken, Kanagawa, Japan  
PA Fuji Photo Film Co., Ltd., Kanagawa, Japan (non-U.S. corporation)  
PI US 4480052 19841030  
AI US 1982-427036 19820929 (6)  
PRAI JP 1981-157795 19811002  
DT Utility  
FS Granted  
LN.CNT 348  
INCL INCLM: 346/208.000  
INCLS: 346/209.000  
NCL NCLM: 503/208.000  
NCLS: 503/209.000  
IC [3]  
ICM: B41M005-18  
EXF 282/27.5; 427/150; 427/151; 428/320.8; 428/488; 428/537; 428/913;  
428/914; 428/411; 428/341; 428/342  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 21 OF 24 USPATFULL on STN  
AN 83:49644 USPATFULL  
TI Method for preparing 4-hydroxyphenylacetic acid  
IN Mutsukado, Motoo, Funabashi, Japan  
Yamada, Shin, Funabashi, Japan  
PA Nissan Chemical Industries, Ltd., Tokyo, Japan (non-U.S. corporation)  
PI US 4412082 19831025  
AI US 1982-353948 19820302 (6)  
PRAI JP 1981-36327 19810313  
DT Utility  
FS Granted  
LN.CNT 319  
INCL INCLM: 562/478.000  
INCLS: 568/630.000; 568/631.000; 568/647.000; 568/655.000; 260/465.000F  
NCL NCLM: 562/478.000  
NCLS: 558/410.000; 568/630.000; 568/631.000; 568/647.000; 568/655.000  
IC [3]  
ICM: C07C065-01  
EXF 562/478  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 22 OF 24 USPATFULL on STN  
AN 82:44811 USPATFULL  
TI Process for forming ethers  
IN Renga, James M., Midland, MI, United States  
Wang, Pen-Chung, Midland, MI, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 4349487 19820914  
AI US 1981-295428 19810824 (6)  
DT Utility  
FS Granted  
LN.CNT 279  
INCL INCLM: 260/465.000F  
INCLS: 560/061.000; 560/064.000; 568/584.000; 568/585.000; 568/586.000;  
568/630.000; 568/631.000; 568/636.000; 568/639.000; 568/644.000;  
568/645.000; 568/648.000

NCL      NCLM: 558/389.000  
NCLS: 558/424.000; 560/061.000; 560/064.000; 568/584.000; 568/585.000;  
568/586.000; 568/630.000; 568/631.000; 568/636.000; 568/639.000;  
568/644.000; 568/645.000; 568/648.000

IC      [3]  
ICM: C07C121-75  
ICS: C07C041-01; C07C079-35  
EXF     260/465F; 560/61; 568/585; 568/631; 568/639  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4      ANSWER 23 OF 24 USPATFULL on STN  
AN      82:28040 USPATFULL  
TI      Process for heterogeneous nucleophilic substitution reactions  
IN      Toke, Laszlo, Budapest, Hungary  
· Szabo, Gabor T., Budapest, Hungary  
· Szabo, Gabor, Budapest, Hungary  
· Nagy, Lajos, Budapest, Hungary  
· Rusznak, Istvan, Budapest, Hungary  
PA      Chinoim Gyogyszer es Vegyeszeti Termek Gyara Rt., Budapest, Hungary  
(non-U.S. corporation)  
PI      US 4334103                19820608  
AI      US 1980-163431            19800627 (6)  
RLI     Continuation-in-part of Ser. No. US 1978-953164, filed on 20 Oct 1978,  
now patented, Pat. No. US 4229366  
PRAI    HU 1977-CI1779          19771020  
DT      Utility  
FS      Granted  
LN.CNT 255  
INCL    INCLM: 568/631.000  
INCLS: 568/715.000; 570/185.000; 570/191.000  
NCL    NCLM: 568/631.000  
NCLS: 568/715.000; 570/185.000; 570/191.000  
IC      [3]  
ICM: C07C017-20  
ICS: C07C029-58; C07C041-01  
EXF     568/631; 568/715; 570/185; 570/191  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4      ANSWER 24 OF 24 USPATFULL on STN  
AN      78:54792 USPATFULL  
TI      Preparation of o-benzylphenol  
IN      Starks, Charles M., Ponca City, OK, United States  
Lundeen, Allan J., Ponca City, OK, United States  
PA      Continental Oil Company, Ponca City, OK, United States (U.S.  
corporation)  
PI      US 4117243                19780926  
AI      US 1977-775030            19770307 (5)  
DT      Utility  
FS      Granted  
LN.CNT 320  
INCL    INCLM: 568/744.000  
NCL    NCLM: 568/744.000  
IC      [2]  
ICM: C07C037-00  
EXF     260/619R  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 15  
L5 NOT FOUND  
The L-number entered has not been defined in this session, or it  
has been deleted. To see the L-numbers currently defined in this  
session, enter DISPLAY HISTORY at an arrow prompt (>).

=> s 12  
L5      718 L2

=> d 15 710-718

L5 ANSWER 710 OF 718 USPATFULL on STN  
AN 74:58036 USPATFULL  
TI BENZ-[C,D]-INDOLIUM DYESTUFFS  
IN Brack, Alfred, Leverkusen, Germany, Federal Republic of  
Psaar, Hubertus, Leverkusen, Germany, Federal Republic of  
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of  
(non-U.S. corporation)  
PI US 3853913 19741210  
AI US 1972-260914 19720608 (5)  
PRAI DE 1971-2128326 19710608  
DT Utility  
FS Granted  
LN.CNT 1010  
INCL INCLM: 260/326.900  
INCLS: 260/309.200; 260/310.000C; 260/310.000D; 260/313.100;  
260/314.500; 260/335.000; 260/556.000AR; 260/556.000R;  
008/003.000; 008/054.200; 008/062.000; 008/063.000; 008/177.000R;  
008/178.000R; 008/179.000; 106/022.000; 260/144.000;  
260/240.000G; 260/240.900; 260/244.000; 260/251.000Q;  
260/256.500R; 260/279.000R; 260/283.000SA; 260/294.800E;  
260/302.000R; 260/304.000; 260/308.000R  
NCL NCLM: 548/438.000  
NCLS: 008/539.000; 008/654.000; 106/031.490; 534/607.000; 534/738.000;  
544/104.000; 544/142.000; 544/372.000; 546/072.000; 546/141.000;  
546/153.000; 546/157.000; 546/200.000; 546/275.400; 546/276.700;  
548/159.000; 548/179.000; 548/181.000; 548/217.000; 548/364.700;  
548/402.000; 548/436.000; 548/437.000; 549/227.000; 564/086.000  
IC [1]  
ICM: C07D027-44  
EXF 260/240B; 260/313.1; 260/326.9  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 711 OF 718 USPATFULL on STN  
AN 74:28489 USPATFULL  
TI STABILIZED DISTILLATION OF PENTACHLOROPHENOL  
IN Watson, William David, Midland, MI, United States  
Kobel, Erwin H., Midland, MI, United States  
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)  
PI US 3816268 19740611  
AI US 1973-353195 19730420 (5)  
DT Utility  
FS Granted  
LN.CNT 169  
INCL INCLM: 203/038.000  
INCLS: 203/059.000; 203/095.000; 260/623.000R  
NCL NCLM: 203/038.000  
NCLS: 203/059.000; 203/095.000; 568/755.000  
IC [1]  
ICM: C07C039-24  
EXF 260/623R; 203/59; 203/95-97; 203/38; 203/29; 203/6; 203/7  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 712 OF 718 USPATFULL on STN  
AN 73:55494 USPATFULL  
TI IMAGE PRODUCTION USING PHOTOSENSITIVE COMPOSITIONS OF NITRONE WHICH IS  
HEAT DEVELOPED  
IN Schlesinger, Sheldon Irwin, Hightstown, NJ, United States  
PA American Can Company, Greenwich, CT, United States (U.S. corporation)  
PI US 3775122 19731127  
AI US 1970-93414 19701127 (5)  
RLI Continuation of Ser. No. US 1967-656685, filed on 28 Jul 1967, now  
abandoned  
DT Utility  
FS Granted  
LN.CNT 646

INCL INCLM: 096/048.000HD  
INCLS: 096/028.000  
NCL NCLM: 430/353.000  
NCLS: 430/617.000  
IC [1]  
ICM: G03C005-24  
EXF 096/28; 096/60; 096/90; 096/68; 096/66T  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 713 OF 718 USPATFULL on STN  
AN 73:53060 USPATFULL  
TI ANTIFOULING COMPOSITIONS AND PROCESSES FOR USING THEM  
IN Hubbard, James Nathan, Nederland, TX, United States  
PA Texaco Inc., New York, NY, United States (U.S. corporation)  
PI US 3772182 19731113  
AI US 1970-84472 19701027 (5)  
DT Utility  
FS Granted  
LN.CNT 494  
INCL INCLM: 208/048.000AA  
INCLS: 252/068.000; 252/403.000  
NCL NCLM: 208/048.000AA  
NCLS: 252/068.000; 252/403.000  
IC [1]  
ICM: C10G009-16  
ICS: C10T001-14  
EXF 208/48AA  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 714 OF 718 USPATFULL on STN  
AN 73:52859 USPATFULL  
TI LIQUID HYDROCARBON CONTAINING ALKALI METAL SALTS OF DIARYLCARBAMATES AS  
ANTIKNOCK AGENTS  
IN Heiba, El-Ahmadi I., 11 Balsam Ln., Princeton, NJ, United States  
Stournas, Stamoulis, 152 Nassau St., Princeton, NJ, United States  
PI US 3771979 19731113  
AI US 1972-293218 19720928 (5)  
DT Utility  
FS Granted  
LN.CNT 158  
INCL INCLM: 044/071.000  
INCLS: 044/075.000; 252/386.000  
NCL NCLM: 044/387.000  
IC [1]  
ICM: C10L001-22  
EXF 044/71; 044/75; 044/68; 252/386  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 715 OF 718 USPATFULL on STN  
AN 73:50410 USPATFULL  
TI LIGHT SENSITIVE REPRODUCTION AND ELECTRON BEAM SENSITIVE MATERIAL  
IN Lewis, James Marvin, Aurora, OH, United States  
Wainer, Eugene, Shaker Heights, OH, United States  
PA Horizons Incorporated, a Division of Horizons Research Incorporated,  
Cleveland, OH, United States (U.S. corporation)  
PI US 3769023 19731030  
AI US 1971-141393 19710507 (5)  
DT Utility  
FS Granted  
LN.CNT 1655  
INCL INCLM: 096/115.000P  
NCL NCLM: 430/282.100  
NCLS: 430/283.100; 430/906.000; 430/913.000; 430/942.000; 522/026.000;  
522/027.000; 522/028.000; 522/089.000; 522/167.000  
IC [1]  
ICM: G03C001-68  
EXF 096/48; 096/33; 096/90; 096/115R; 096/115P; 096/36.2

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 716 OF 718 USPATFULL on STN  
AN 73:39004 USPATFULL  
TI PROCESS FOR PRODUCING PRIMARY CARBOXYLIC ACID AMIDES  
IN Eck, Herbert, Burghausen-Obb, Germany, Federal Republic of  
Heckmaier, Joseph, Burghausen-Obb, Germany, Federal Republic of  
Spes, Hellmuth, Burghausen-Obb, Germany, Federal Republic of  
PA Wacker-Chemie GmbH, Munich, Germany, Federal Republic of (non-U.S.  
corporation)  
PI US 3755318 19730828  
AI US 1971-131541 19710405 (5)  
RLI Continuation of Ser. No. US 1968-782744, filed on 10 Dec 1968, now  
abandoned  
DT Utility  
FS Granted  
LN.CNT 159  
INCL INCLM: 260/247.700H  
INCLS: 260/293.860; 260/297.000R; 260/326.500E; 260/561.000R;  
260/562.000P; 260/562.000R; 260/562.000N; 424/248.000  
NCL NCLM: 544/176.000  
NCLS: 546/245.000; 546/309.000; 548/540.000; 564/215.000; 564/221.000  
IC [1]  
ICM: C07D087-34  
EXF 260/247.7H; 260/562P; 260/293.86; 260/297R; 260/326.5E  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 717 OF 718 USPATFULL on STN  
AN 73:16604 USPATFULL  
TI PREPARATION OF P-NITROSODIPHENYLAMINE  
IN Levy, Joseph, Paramus, NJ, United States  
Seif, Louis, Bronx, NY, United States  
PA Universal Oil Products Company, Des Plaines, IL, United States (U.S.  
corporation)  
PI US 3728392 19730417  
AI US 1970-56692 19700720 (5)  
DT Utility  
FS Granted  
LN.CNT 269  
INCL INCLM: 260/576.000  
NCL NCLM: 564/410.000  
IC [1]  
ICM: C07C087-54  
EXF 260/576  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 718 OF 718 USPATFULL on STN  
AN 73:5329 USPATFULL  
TI DIALKYLATED DIARYLAMINES AND A METHOD FOR PRODUCING SAME  
IN Bayha, Charles Edward, Monroe, NJ, United States  
Madden, Thomas Raymond, Ringwood, NJ, United States  
PA Reichhold Chemicals, Inc., White Plains, NY, United States (U.S.  
corporation)  
PI US 3714258 19730130  
AI US 1970-67891 19700828 (5)  
DT Utility  
FS Granted  
LN.CNT 282  
INCL INCLM: 260/576.000  
NCL NCLM: 564/409.000  
IC [1]  
ICM: C07C087-54  
EXF 260/576  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6

82 L3

=> d 16 80-82

L6 ANSWER 80 OF 82 USPATFULL on STN  
AN 74:39871 USPATFULL  
TI CHEMICAL PROCESSES USING ORGANOTHALLIUM COMPOUNDS  
IN Taylor, Edward C., 1500 Spring Garden St., Philadelphia, PA, United States 19101  
McKillip, Alexander, 1500 Spring Garden St., Philadelphia, PA, United States 19101  
PI US 3832381 19740827  
AI US 1971-112815 19710204 (5)  
RLI Division of Ser. No. US 1968-700352, filed on 25 Jan 1968, now patented, Pat. No. US 3626018, issued on 7 Dec 1971  
DT Utility  
FS Granted  
LN.CNT 654  
INCL INCLM: 260/468.000K  
INCLS: 260/211.500; 260/239.300; 260/248.000; 260/251.000; 260/252.000;  
260/253.000; 260/254.000; 260/260.000; 260/286.000A;  
260/295.000R; 260/309.000; 260/309.200; 260/310.000; 260/315.000;  
260/325.000; 260/326.110; 260/326.150; 260/343.200  
NCL NCLM: 560/122.000  
NCLS: 540/485.000; 540/486.000; 540/604.000; 546/108.000; 546/301.000;  
548/304.400; 548/335.100; 548/361.100; 548/373.100; 548/469.000;  
548/485.000; 548/486.000; 548/490.000; 548/551.000; 560/051.000;  
560/174.000; 562/894.000; 568/037.000; 568/379.000; 568/391.000;  
568/643.000; 585/359.000; 585/361.000; 585/425.000; 585/427.000;  
585/467.000; 585/469.000; 585/711.000; 585/931.000  
IC [1]  
ICM: C07C069-00  
ICS: C07C049-04; C07C049-44  
EXF 260/593R; 260/592; 260/590; 260/591; 260/586R; 260/468K; 260/469R;  
260/475SC; 260/476R; 260/483  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 81 OF 82 USPATFULL on STN  
AN 74:13751 USPATFULL  
TI EYEGLASS CLIP FOR HEADSETS  
IN Bonis, David Raynes, Putnam, Ontario, Canada  
PA Bell-Northern Research Ltd., Ottawa, Ontario, Canada (non-U.S. corporation)  
PI US 3798712 19740326  
AI US 1973-349220 19730409 (5)  
DT Utility  
FS Granted  
LN.CNT 166  
INCL INCLM: 024/081.000PH  
INCLS: 224/005.000A  
NCL NCLM: 024/003.300  
NCLS: 224/181.000; 351/158.000  
IC [1]  
ICM: A44B021-00  
EXF 024/81BA; 024/3A; 024/3B; 024/3C; 024/3M; 024/3R; 024/3J; 024/3L;  
024/81CC; 024/81CR; 024/81FC; 024/81CL; 024/81CT; 024/81G; 024/81H;  
024/81PA; 024/81PH; 024/81B; 024/49C; 024/49CC; 024/49K; 024/11FE;  
024/11PP; 024/255AS; 024/255CT; 024/255PH; 024/259FF; 024/255G;  
024/255P; 024/259R; 024/255R; 024/257R; 024/84A; 024/84B; 024/84H;  
024/29A; 024/5A; 024/5J  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 82 OF 82 USPATFULL on STN  
AN 71:46520 USPATFULL  
TI CHEMICAL PROCESSES USING ORGANOTHALLIUM COMPOUNDS  
IN Taylor, Edward C., 1500 Spring Garden St., Philadelphia, PA, United States 19101

McKillop, Alexander, East Anglia, Norwich, England

PI US 3626018 19711207

AI US 1968-700352 19680125 (4)

DT Utility

FS Granted

LN.CNT 648

INCL INCLM: 260/670.000

NCL NCLM: 564/309.000

NCLS: 536/027.110; 536/027.600; 568/388.000; 568/412.000; 570/190.000;  
585/427.000

IC [1]

ICM: C07C015-14

EXF 260/668; 260/670; 260/576; 260/592; 260/650

CAS INDEXING IS AVAILABLE FOR THIS PATENT.